

TQ3403 Wireless Access Point

The access point model included in this Quick Installation guide is:

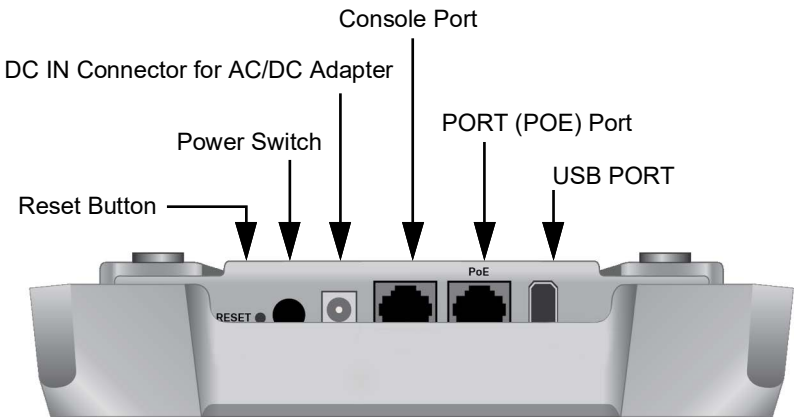
- AT-TQ3403

Installation and User Guide

This document contains an abbreviated version of the installation instructions for the TQ3403 Wireless Access Point. For complete installation and management instructions, see the *Installation Guide for the TQ3403 Series Access Point*.

Find more documentation on the Allied Telesis website at www.alliedtelesis.com/library.

Physical Description



The console serial port on the TQ3403 model is for manufacturing purposes only. For the TQ3403 device, you can access the AlliedWare Plus™ operating system through the Console port and configure the device.

Safety Precautions and Site Requirements

Review the safety precautions and site requirements in the *Installation Guide for the TQ3403 Series Access Point* before installing the device.

Package Contents

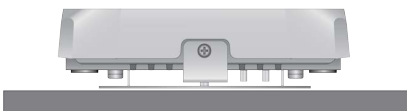
TQ3403 Series Access Point	
One Mounting Bracket	
Two M5 x 4.5 mm, Pan-head Screws	

If any item is missing or damaged, contact your Allied Telesis sales representative for assistance. Retain the original shipping material to return the unit to Allied Telesis.

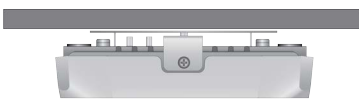
Installation Options

You can install the access point on a desktop, ceiling, or wall. See the approved and unapproved orientations:

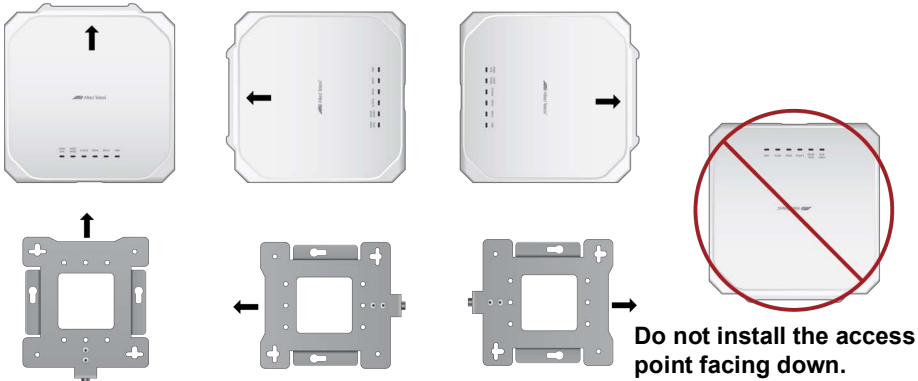
Desktop



Ceiling



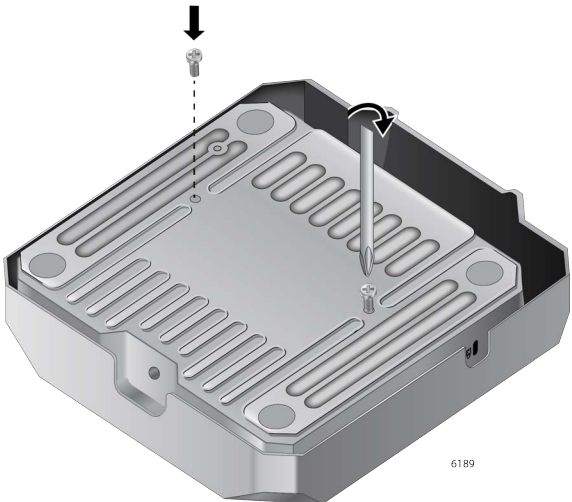
Wall



Pre-fitting the Mounting Bracket

Before installing the mounting bracket on a wall or ceiling, pre-fit the bracket to the access point.

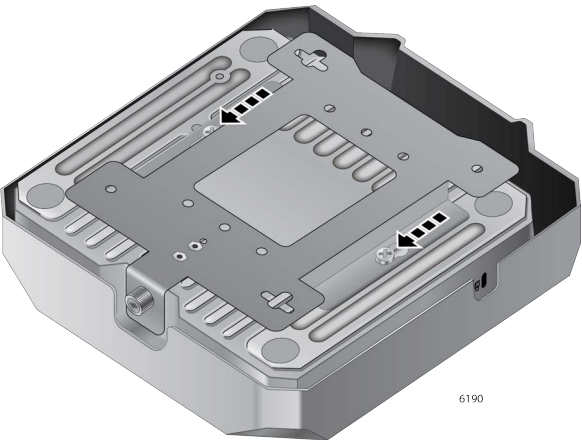
- Install the two screws (provided) fully into the bottom panel of the access point.



The screw collar provides the proper spacing for the mounting bracket beneath the screw head.

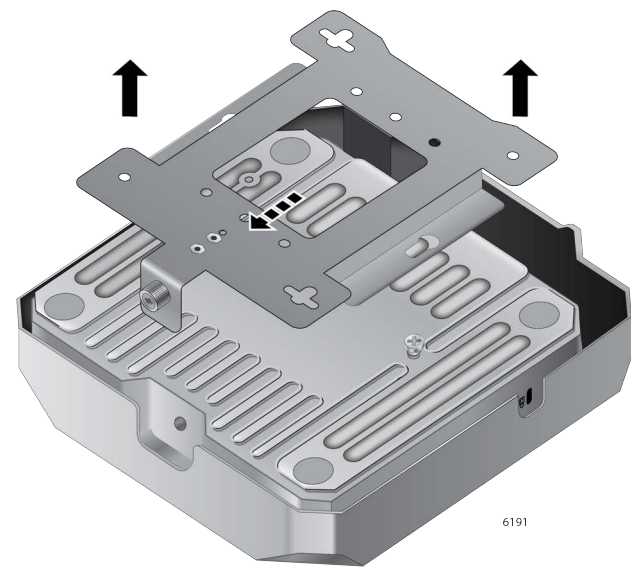


- Make sure that the mounting bracket fits to the access point by sliding the bracket beneath the screws.



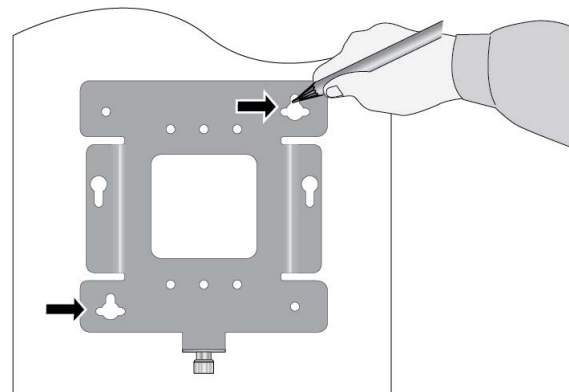
613-003359 Rev A

3. Slide the mounting bracket forward and remove it from the access point.

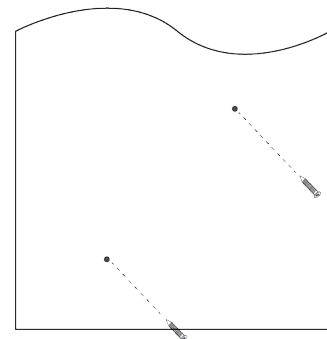


Installing the Mounting Bracket on a Wall or Ceiling

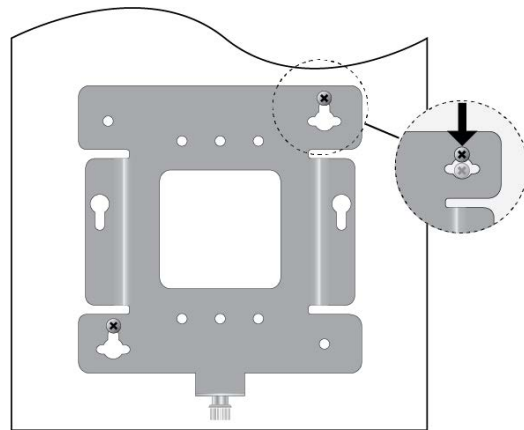
1. Choose a location and orientation for the access point on the wall or ceiling.
2. Position the mounting bracket at the selected location for the access point. With a pencil, mark the two key-hole slots on the wall or ceiling.



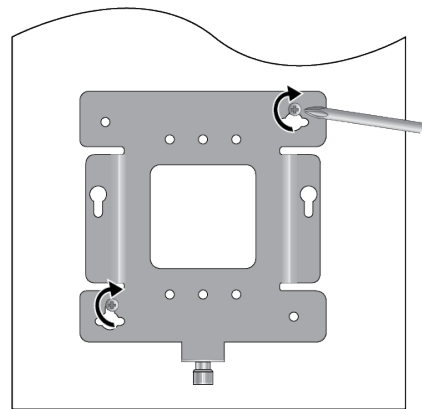
3. If necessary, pre-drill on the wall or ceiling the two marked locations of the key-hole slots for the screws.
4. Install two M4 screws and anchors (if required) into the wall or ceiling. Leave the screws loose enough so that you can slide the bracket under the screw heads. For wooden walls or ceiling, Allied Telesis recommends M4 25 mm flat-head wood screws and anchors (if required). The screws and anchors are not provided.



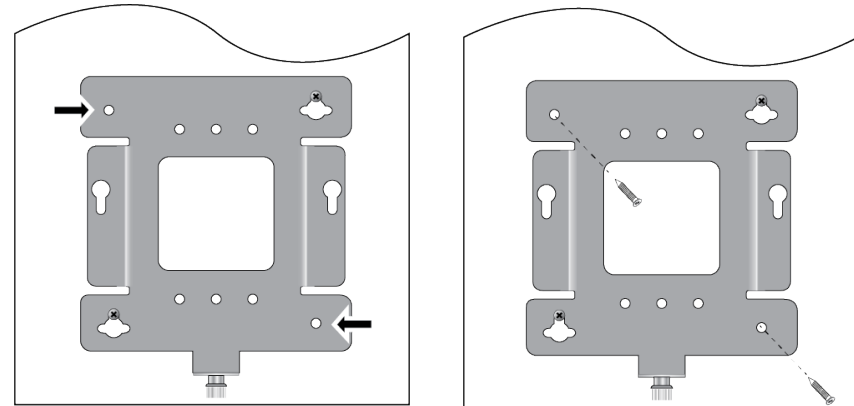
5. Install the openings of the bracket key-hole slots to the two screw heads and slide the bracket into the narrow end of the key-hole slot openings.



6. Tighten the screws snugly onto the bracket.



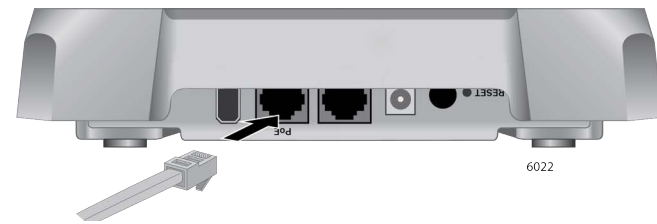
7. To secure the mounting bracket, pre-drill holes through the two bracket mounting holes opposite the key-hole slots.
8. Install and tighten two M4 screws (not provided).



Cabling the Wireless Access Point

Perform the following procedure to cable the Ethernet LAN port and to power the device:

1. Connect an Ethernet cable to PORT1 (POE).



2. Connect the other end of the Ethernet cable to a network device, such as a switch or router.

Note

When PORT1 is connected to PoE+ power sourcing equipment, the TQ3403 access point powers on and begins to initialize its management software.

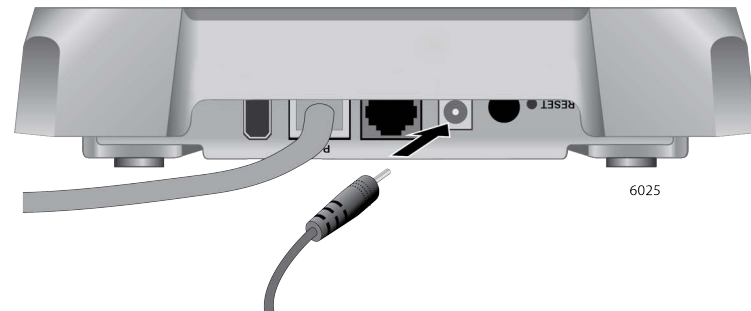
3. Connect the other end of a network device.

Powering the Wireless Access Point

The access point can be powered with PoE+ on PORT (POE), an external AC/DC power adapter, or both. The access point that is powered by both PoE and an external power adapter uses the adapter as its primary power and PoE as redundant power.

Allied Telesis recommends the PWRADP-01 (DA-48Z12) AC/DC Power Adapter. The power adapter should be ordered separately.

1. Plug the DC connector into the DC IN jack on the access point.



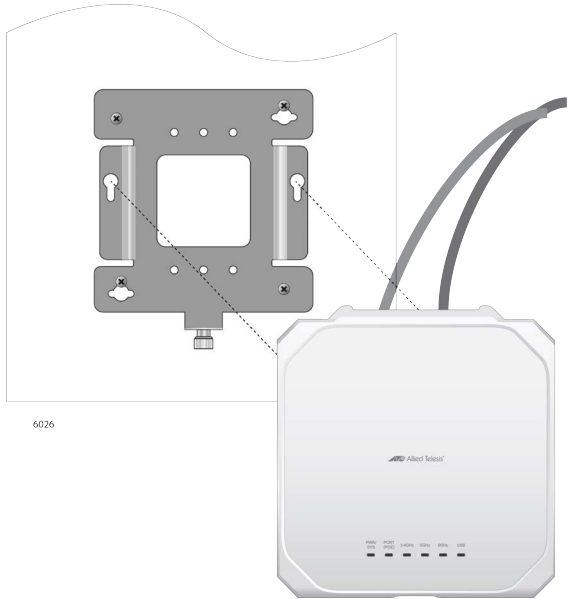
2. Connect the power adapter into an appropriate AC power source.
3. Turn on the Power Switch on the panel.

Note

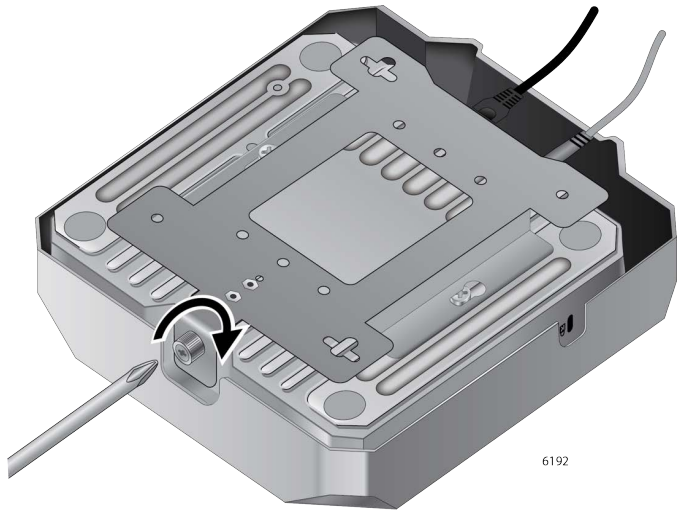
The Power Switch on the access point controls power from the AC power supply. It does not control PoE+ on PORT (POE).

Installing the Access Point on the Wall Mounting Bracket

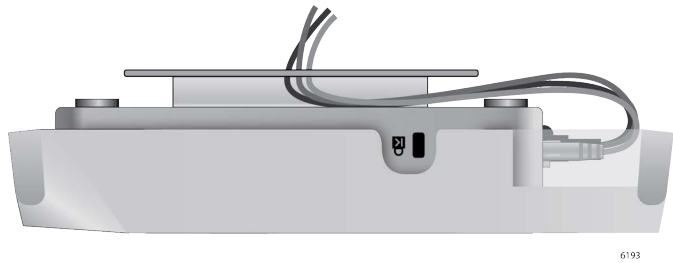
- 1. Align the bottom of the access point over the bracket so that the two screws on the bottom of the device fit into the bracket keyholes.



- 2. Slide the access point forward until its screws are seated in the bracket keyhole slots and the bracket thumbscrew is aligned with the screw hole on the front panel.
- 3. Tighten the thumbscrew to secure the access point to the wall mounting bracket.



- 4. Place the Ethernet cable(s) and power cable (if any) along the cable guides inside of the top cover in the cable hiding space.



Starting the Initial Management Session

The access point firmware includes a DHCP client. The default setting for the client is enabled. When you power on the access point for the first time, it queries the subnet on PORT1 for a DHCP server. If a DHCP server responds to its query, the unit uses the IP address the server assigns to it.

To start the initial management session, perform the following procedure:

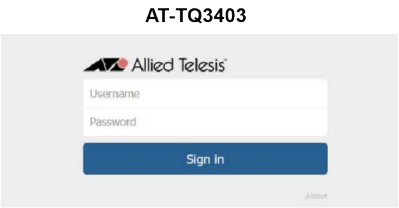
- 1. Start the web browser on your management workstation.
- 2. Enter the IP address of the wireless access point in the URL field of the web browser. The address is one of the following:

If your network does not have a DHCP server, enter the default address:

- ❑ The default address for the TQ3403 is 192.168.1.230

If your network has a DHCP server, enter the IP address the DHCP server assigned to the access point.

The wireless access point displays the login prompt.



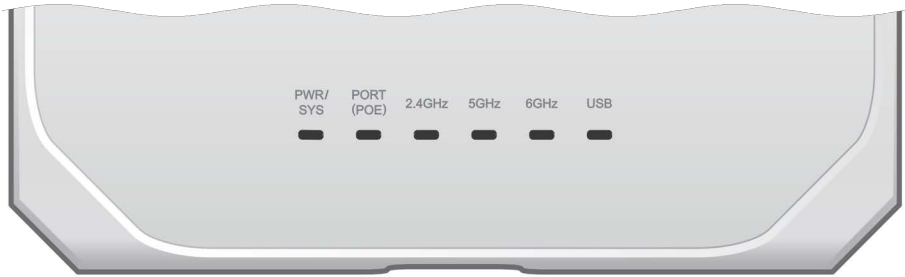
- 3. Enter “manager” for the username and “friend” for the password. The username and password are case-sensitive.

Setting the Country Setting

The non-US model of this product has a country code setting that must be set during the initial management session of the unit. The setting ensures that the unit operates in compliance with the laws and regulations of your country or region.

The country code for the US model is preset and cannot be changed. Per FCC regulations, the country code setting for all WiFi products marketed in the US must be fixed to US operational channels only.

LEDs



The top panel LEDs are described in this table.

LED	State	TQ3403
PWR/ SYS	Green	The access point is powered ON and operating normally.
	Red	The access point is booting up.
	Blinking Red	The access point is upgrading its firmware.
	Off	The access point is not receiving power.
PORT (PoE)	Green	The port has established a link to a network device.
	Blinking Green	The port is transmitting or receiving data.
	Off	The port has not established a link to a network device.
2.4GHz	Green	The 2.4GHz radio is enabled.
	Off	The 2.4GHz radio is disabled.
5GHz	Green	The 5GHz radio is enabled.
	Off	The 5GHz radio is disabled.
6GHz	Green	The 6GHz radio is enabled.
	Off	The 6GHz radio is disabled.
USB	Green	A USB device is plugged in.
	Off	The USB feature is disabled in the GUI.

Product Specifications

The product specifications are listed in the following tables.

Parameter	Specification
Dimensions (W x D x H) without external antennas	200 mm X 210 mm X 45 mm (7.9 in. x 8.3 in. x 1.8 in.)
Weight	1.1kg (2.43 lbs)

Parameter	Specification
Operating Temperature	0° C to 45° C (32° F to 113° F)
Storage Temperature	- 25° C to 70° C (- 13° F to 158° F)
Operating Humidity	5% to 90% non-condensing
Storage Humidity	0% to 95% non-condensing
Maximum Operating Altitude	3000 m (9843 ft)

PoE+ Power Spec on LAN Ports	Specification
Maximum Power Consumption	24.1 watts
Rated Voltage	DC 48 V
Rated Current	0.67 A

External AC/DC Power Adapter Spec	Specification
Input Voltage Range	100 - 240 VAC
Input Frequency	50 - 60 Hz
Rated Output Voltage	+12 VDC
Rated Output Current	4 A
Temperature Ranges	0° C to 50° C (32° F to 122° F)
Maximum Operating Altitude	3000 m (9843 ft)

Safety and Electromagnetic Emissions Certificates

This device complies with Part 15 of FCC Rules, Directive 2014/53/EU issued by the Commission of the European Community, some other safety, electromagnetic emission, and radio certificates.

The operating frequencies and maximum transmission power levels for wireless devices operated in the EU & UK are listed below:

Model: AT-TQ3403					
MHz	2412-2472	5150-5250	5250-5350	5470-5725	5925-6425
Beamforming (dBm)	19.99	22.88	22.98	29.95	22.89
Non-Beamforming (dBm)	19.99	22.98	22.98	29.95	22.98
* This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.					

Note

Operations in the 5.15 - 5.35 GHz band are restricted to indoor usage only. Contact Allied Telesis for the EU conformity statement. To contact Allied Telesis, visit the website at **www.alliedtelesis.com/contact**.

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